9. (Twice Amended) A portable wireless communication apparatus having an antenna apparatus for receiving or transmitting radio waves, said antenna apparatus comprising:

a plurality of antennas having different resonant frequencies; and

a plurality of phase shift circuits for shifting phase of said radio waves,

wherein one of said phase shift circuits has positive phase shift characteristics and another has negative phase shift characteristics, and feed points of said plurality of antennas are connected to a radio circuit via said plurality of phase shift circuits, respectively,

whereby each of said antennas is operable to receive or transmit said radio waves at a different frequency and said antennas are electrically connected in parallel.

REMARKS

It is submitted that these claims, as originally presented, are patentably distinct over the prior art cited by the Examiner, and that these claims were in full compliance with the requirements of 35 USC §112. Changes to these claims, as presented herein, are not made for the purpose of patentability within the meaning of 35 U.S.C. §101, §102, §103, or §112. Rather, these changes are made simply for clarification and to round out the scope of protection to which Applicant is entitled.

Entry of this amendment and these remarks, and the reconsideration of this application are respectfully requested.

Claims 2-4, 6-8 and 10 and amended claims 1, 5 and 9 are in this application.

In the Final Office Action, the Examiner rejected claims 1-10 under 35 U.S.C. §102(e) as being anticipated by Rutkowski et al (U.S. Patent No. 6,198,442).

Amended independent claim 1 recites in part: "The antenna apparatus for receiving or transmitting radio waves...whereby each of said antennas is operable to receive or transmit said radio waves at a different frequency and **said antennas are electrically connected in parallel**." (Underlining and bold added for emphasis.)

It is respectfully submitted that the portions of Rutkowski relied on by the Examiner (hereinafter, merely "Rutkowski") do not appear to disclose the above-recited feature of amended independent claim 1. Accordingly, amended independent claim 1 is believed to be distinguishable from Rutkowski. For similar reasons, it is also believed that amended independent claims 5 and 9 are also distinguishable from Rutkowski.

Further, claims 2-4, 6-8 and 10 are dependent from one of claims 1, 5 and 9 and, due to such dependency, are also believed to be distinguishable from Rutkowski for at least the reasons previously discussed.

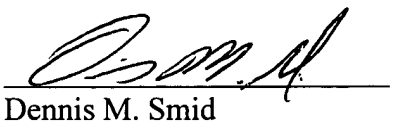
Attached hereto is a marked-up version of the changes made to the claims by the current amendment. The attached page is captioned **"Version with markings to show changes made."**

It is to be appreciated that the foregoing comments concerning the disclosures in the cited prior art represent the present opinions of the Applicant's undersigned attorney and, in the event, that the Examiner disagrees with any such opinions, it is requested that the Examiner indicate where, in the reference, there is the basis for a contrary view.

In view of the foregoing, entry of this amendment, favorable reconsideration and withdrawal of the rejection of claims 1-10 and the allowance of this application with claims 1-10 are respectfully requested.

Please charge any fees incurred by reason of this response and not paid herewith to Deposit Account No. 50-0320.

Respectfully submitted,
FROMMER LAWRENCE & HAUG LLP
Attorneys for Applicant

By: 

Dennis M. Smid
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Version with markings to show changes made

Please amend claims 1, 5 and 9 by rewriting the same to the following:

1. (Twice Amended) The antenna apparatus for receiving or transmitting radio waves, comprising:

a pair of antennas having different resonant frequencies, and

a pair of phase shift circuits for shifting phase of said radio waves,

wherein one of said phase shift circuits has positive phase shift characteristics and another has negative phase shift characteristics, and feed points of said pair of antennas are connected to a radio circuit via said pair of phase shift circuits, respectively,

whereby each of said antennas is operable to receive or transmit said radio waves at a different frequency and said antennas are electrically connected in parallel.

5. (Twice Amended) The antenna apparatus for receiving or transmitting radio waves, comprising:

a plurality of antennas having different resonant frequencies; and

a plurality of phase shift circuits for shifting phase of radio waves,

wherein one of said phase shift circuits has positive phase shift characteristics and another has negative phase shift characteristics, and feed points of said plurality of antennas are connected to a radio circuit via said plurality of phase shift circuits, respectively,

whereby each of said antennas is operable to receive or transmit said radio waves at a different frequency and said antennas are electrically connected in parallel.

9. (Twice Amended) A portable wireless communication apparatus having an antenna apparatus for receiving or transmitting radio waves, said antenna apparatus comprising:

a plurality of antennas having different resonant frequencies; and

a plurality of phase shift circuits for shifting phase of said radio waves,

wherein one of said phase shift circuits has positive phase shift characteristics and another has negative phase shift characteristics, and feed points of said plurality of antennas are connected to a radio circuit via said plurality of phase shift circuits, respectively,

whereby each of said antennas is operable to receive or transmit said radio waves at a different frequency and said antennas are electrically connected in parallel.

2821

PATENT
450100-03070

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s)	:	Osamu Kozakai
Serial No.	:	09/814,264
For	:	ANTENNA APPARATUS AND A PORTABLE WIRELESS COMMUNICATION APPARATUS USING THE SAME
Filed	:	March 21, 2001
Examiner	:	Hoanganh Le
Art Unit	:	2821

ASSISTANT COMMISSIONER FOR PATENTS
Washington, D.C. 20231
Sir:

Transmitted herewith is an amendment in the above-identified application.

X No additional fee is required.

_ The fee has been calculated as shown below.

_ This is an application of a small entity under 37 CFR 1.9(f), and the amounts shown in parentheses apply.

Claims as Amended

(1)	(2) Claims remaining after amendment	(3)	(4) Highest number previously paid for	(5) Present extra	(6) Rate	(7) Additional fee
Total claims	10	Minus	= 10	0 ×	$18(9)	= $00.00
Independent claims	3	Minus	= 3	0 ×	$84(42)	= $ .00
			Total additional fee for this amendment			$ .00

* If the entry in Column 2 is less than the entry in Column 4, write "0" in Column 5.
** If the highest number of total claims previously paid for is less than 20, write "20" in this space.
*** If the highest number of independent claims previously paid for is less than 3, write "3" in this space.

_ This application contains a multiple dependent claim. The required fee of $260 ($130) has been previously paid _, or is paid herewith _.

☐ This response is being field within the month following the expiration of the term originally set therefor. This is a petition to request a ___ month extension of time. A check covering the cost of the petition is enclosed.

☐ A check in the amount of $_____ is attached, which covers the cost of ☐ additional claims _____ petition for extension of time.

_ A check in the amount of $ .00 is attached.

_ Charge $_ to Deposit Account No. 50-0320.

X Please charge any additional fees incurred by reason of this response or credit any overpayment to Deposit Account No. 50-0320.

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Assistant Commissioner for Patents, Box AF Washington, D.C. 20231, on December 16, 2002.

Dennis M. Smid, Reg. No. 34,930

Name of Applicant, Assignee or Registered Representative

Signature

December 16, 2002

Date of Signature

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